

Centerpulse, Spine-Tech Division**510(k) Summary**
(21 CFR Part 807.92)

OCT 29 2002

A. Submitter Information

Submitter's Name: Angela Byland
Address: 7375 Bush Lake Road
Minneapolis, MN 55439-2027
Telephone Number: (952) 857-5631
Fax Number: (952) 830-6388
Contact Person: Angela Byland
Date Submission Prepared: August 6, 2002

B. Device Information

Trade Name: Spine-Tech™ Cement Restrictor
Common or Usual Name: Canal Plug, Cement Restrictor
Classification Name: (per 21 CFR Part 878.3300)
Device Classification: Class II (per 21 CFR Part 878.3300)
Panel –Orthopedic
Predicate Device: RPX™ Titanium Cement Restrictor Device (K020344)
Comparative Device: Medtronic Sofamor Danek PEEK Optima™ LT Cement Restrictor (K010528)
Subject Device Description: The Spine-Tech™ Cement Restrictor is a threaded, hollow cylinder that is manufactured from PEEK Optima LT1 with carbon fiber. This device is intended to be used in conjunction with PMMA cement.
Intended Use: The Spine-Tech™ Cement Restrictor is intended for use as a cement restrictor in orthopedic surgeries such as those involving the femoral canal and tibial plateau in hip stem and total knee replacement.
The Spine-Tech™ Cement Restrictor is NOT intended for any spinal indications.

C. Substantial Equivalence

The technological characteristics of the Spine-Tech™ Cement Restrictor Device are similar to the following predicate devices:

- 1) RPX™ Titanium Cement Restrictor Device (K020344), manufactured by Centerpulse, Spine-Tech Division and cleared by the FDA on May 2, 2002.
- 2) Medtronic Sofamor Danek Cement Restrictor – PEEK Optima™ LT (K010528), manufactured by Medtronic Sofamor Danek and cleared by the FDA on October 10, 2001.

Establishment of equivalence is based on similarities of intended use, design, and physical characteristics.



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration
9200 Corporate Boulevard
Rockville MD 20850

OCT 29 2002

Ms. Angela Byland
Senior Regulatory Affairs Specialist
Centerpulse° - Spine-Tech Division
7375 Bush Lake Road
Minneapolis, Minnesota 55439-2027

Re: K022615
Trade Name: Spine-Tech™ Cement Restrictor
Regulation Number: 21 CFR 878.3300
Regulation Name: Surgical mesh
Regulatory Class: II
Product Code: JDK
Dated: September 27, 2002
Received: September 30, 2002

Dear Ms. Byland:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and we have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval (PMA) application. You may, therefore, market the device, subject to the general controls provisions of the Act and the limitations described below. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

The Office of Device Evaluation has determined that there is a reasonable likelihood that this device will be used for an intended use not identified in the proposed labeling and that such use could cause harm. Therefore, in accordance with Section 513(i)(1)(E) of the Act, the following limitation must appear in the Warnings section of the device's package insert and also as a Warning on the product label:

WARNING: THIS DEVICE IS NOT INTENDED FOR ANY SPINAL INDICATIONS.

THE SAFETY AND EFFECTIVENESS OF THIS DEVICE WHEN
IMPLANTED IN THE SPINE HAVE NOT BEEN ESTABLISHED.

Page 2 - Ms. Angela Byland

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

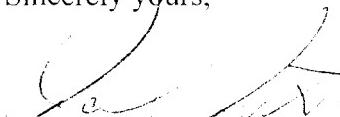
Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and permits your device to proceed to the market. This letter will allow you to begin marketing your device as described in your 510(k) premarket notification if the limitation statement above is added to your labeling, as described.

Please note that the above labeling limitations are required by Section 513(i)(1)(E) of the Act. Therefore, a new 510(k) is required before these limitations are modified in any way or removed from the device's labeling.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801 and additionally 21 CFR Part 809.10 for in vitro diagnostic devices), please contact the Office of Compliance at (301) 594-4659. Additionally, for questions on the promotion and advertising of your device, please contact the Office of Compliance at (301) 594-4639. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR Part 807.97). Other general information on your responsibilities under the Act may be obtained from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its Internet address:
<http://www.fda.gov/cdrh/dsma/dsmamain.html>

Sincerely yours,



Daniel Schultz, M.D.
Director
Office of Device Evaluation
Center for Devices and
Radiological Health

Enclosure

INDICATIONS FOR USE STATEMENT

510(k) Number:

K022615

Device Name:

Spine-Tech™ Cement Restrictor

Indications for Use:

The Spine-Tech Cement Restrictor is intended for use as a cement restrictor in orthopedic surgeries such as those involving the femoral canal and tibial plateau in hip stem and total knee replacement.

PLEASE DO NOT WRITE BELOW THIS LINE—CONTINUE ON ANOTHER PAGE IF NEEDED
Concurrence of CDRH, Office of Device Evaluation (ODE)


Mark M. Miller
(Division Sign-Off)
Division of General, Restorative
and Neurological Devices

510(k) Number K022615

Prescription Use ✓
(Per 21 CFR 801.109)

OR

Over-the-Counter-Use _____
(optional form at 1-2-96)